



NOTE: RAM TRIPLE DISC CLUTCH SYSTEMS ARE NOT INTENDED AS A BOLT IN REPLACEMENT. MODIFICATIONS TO RELEASE MECHANISM, RELEASE BEARING, HYDRAULIC SLAVE, AND/OR USE OF AN AFTERMARKET RAM HYDRAULIC BEARING MAY BE REQUIRED FOR YOUR APPLICATION. USE THE SETUP DRAWING TO DETERMINE AVAILABLE SPACE AND CONTACT RAM TECHNICAL DEPARTMENT WITH ANY ADDITIONAL QUESTIONS.

Before installation

Your RAM Street Dual may include a slave cylinder shim. If included, THIS SHIM MUST BE INSTALLED between the slave cylinder and the transmission housing to achieve proper spacing.

Test fit all discs on the input shaft of the transmission. Make sure they slide freely on the splines.

If you are using an aftermarket bellhousing, it **MUST** be dial indicated to the engine before installing the clutch. These bellhousings typically are not centered and can cause release issues if not addressed.

Proper release bearing preloading on factory hydraulic slave cylinders is essential to the operation of this clutch. You **MUST** use the setup drawing located on the back of the quick start guide to check this before finishing the install.

Clutch installation

Remove the pressure plate attachment nuts from the flywheel stand bolts (3/8" 12-point nuts). Lift the cover from the flywheel. The top disc is a sprung hub configuration. After removing the sprung hub disc you will see the first floater plate. Remove each successive piece, noting the order of placement for reinstallation.

Note: the pressure plate stands each have shims between the split stands. Be sure they are in place when the unit is installed.

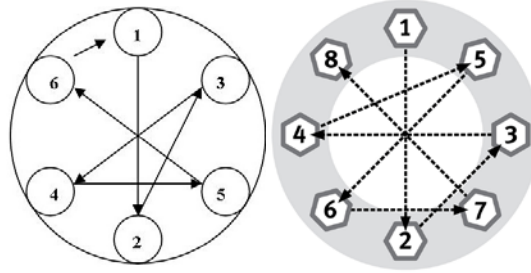
Install the flywheel using loctite or similar thread locker on the flywheel bolts. Torque the flywheel bolts to 75-85 ft/lbs.

Slip the top clutch disc (sprung hub disc) onto the clutch alignment shaft followed by the top floater plate, second solid hub disc, second floater plate, and bottom solid hub clutch disc. **Be sure the floater plate sides that have the machined outer lip are facing the transmission** (i.e. the completely flat side towards the flywheel). *USE OF A RAM PROFESSIONAL STEEL ALIGNMENT SHAFT MAKES THIS OPERATION MUCH SIMPLER AS THE SHAFT CAN BE INSTALLED IN THE PILOT BUSHING FIRST, THEN THE CLUTCH PACK LOADED. SEE LISTINGS AT THE END OF THIS SHEET.*

Slide the clutch alignment tool into the pilot bushing while positioning the floater plates over the proper drive lugs.

Place the pressure plate over the stand bolts and **torque the cover nuts, tightening them in a star pattern as shown below so that the diaphragm is pulled down evenly.** Be sure the cover drive straps are **staggered with the floater straps** and that each stand has its shims between the cover and the stand.

COVER TORQUING SEQUENCE



STEP 1 – snug nuts down in a star pattern to 10 ft/lbs. STEP 2 – repeat star pattern tightening the nuts to 18 ft/lbs. STEP 3 – repeat star pattern tightening nuts to 25 ft/lbs. STEP 4 – repeat star pattern tightening nuts to 30 ft/lbs. NEVER USE POWER TOOLS TO PERFORM THIS PROCESS OR DAMAGE TO THE DIAPHRAGM CAN OCCUR.

The bellhousing and transmission can now be reinstalled. Be very careful not to let the transmission hang on the clutch disc spline during reassembly as this may bend the clutch disc carrier, which will cause release problems. **THIS IS CRITICAL!**

Other modifications

RAM STRONGLY ADVISES THE USE OF A SAFETY BELLHOUSING WITH THE RAM PRO STREET TRIPLE DISC. If you have enough power to need a triple disc, you need this safety device! When using a safety bellhousing, be sure to follow the manufacturer's instructions for proper bellhousing alignment.

Technical help

Please visit our website www.ramclutches.com for technical or product information.

IMPORTANT NOTICES

PROPER FLYWHEEL BOLT TORQUE IS CRITICAL WHEN INSTALLING YOUR RAM STREET DUAL CLUTCH SYSTEM. RAM STRONGLY RECOMMENDS AFTERMARKET FLYWHEEL BOLTS FOR YOUR APPLICATION.

7/16" BOLTS – 85 FT/LBS. 1/2" BOLTS – 135 FT/LBS. 10mm BOLTS – 65-70 FT/LBS. 11mm BOLTS – 80-85 FT/LBS.

USE A HIGH QUALITY AFTERMARKET BOLT SET AND RED LOCTITE ON THE THREADS. GO THROUGH THE TORQUE SEQUENCE 3 TIMES. RAM FLYWHEEL BOLT SET PART NUMBERS:

7/16 X 1 PN 575 1/2 X 1 (8 BOLT) PN 596 10mm – 1 x 1 (4.6L Ford Modular 6 bolt) PN 529 10mm – 1 – 1 (Ford modular 8 bolt) 11mm – 1.5 x .880 (LS1) PN 528

RAM PROFESSIONAL STEEL ALIGNMENT TOOLS

GM 10 spline – PN 03-001 GM 26 spline – PN 03-013 Ford 10 1 1/16 10 spline – PN 03-004
Ford 26 spline – 03-048